



THE UNITED STATES PATENT AND TRADEMARK OFFICE
(CASE NO. 91,875-J)

PATENT

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Group Art Unit

GROUP ID 2208

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AUG 18 1994

APPLICATION DIVISION

Application of:

McBride and Dean

Serial No. 08/253,973

Filed June 3, 1994

For MONOAMINE, DIAMIDE, THIOL-
CONTAINING METAL CHELATING AGENTS

The Commissioner of Patents and Trademarks
Washington, D. C. 20231

Sir:

TRANSMITTAL LETTER

In regard to the above-identified application:

1. We are transmitting herewith the attached

INFORMATION DISCLOSURE STATEMENT with References

2. With respect to additional fees:

☒ A. No additional fee is required.

☐ B. An additional fee is required and has been calculated as shown below:

| CLAIM AS AMENDED | | | | | | |
|------------------|--|-------|--|---|-------------|--------------------------|
| (1) | (2) CLAIMS REMAINING AFTER AMENDMENT | (3) | (4) HIGHEST NO. PREVIOUSLY PAID FOR | (5) PRESENT EXTRA | (6) RATE | (7) ADDITIONAL FEE |
| TOTAL CLAIMS | * | MINUS | ** | | | X |
| INDEP. CLAIMS | * | MINUS | | | | X |
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*If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.

**If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

***Each multiple dependent claim should be counted as the number of claims from which it depends.


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☐ D. Charge the total additional fee to our Deposit Account No. 01-0850.
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By 
Kevin E. Noonan

Reg. No. 35,303

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CHICAGO, ILLINOIS 60606
PHONE: 312-715-1000

PATENT OFFICE COPY



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

(Case No. 91,875-J)

| | | |
|-----------------------------------|---|---------------------|
| In the Application of: |) | |
| |) | |
| McBride and Dean |) | |
| |) | Before the Examiner |
| Serial No. 08/253,973 |) | |
| |) | |
| Filed: June 3, 1994 |) | |
| |) | Group Art Unit |
| For: Monoamine, Diamide, Thiol- |) | |
| Containing Metal Chelating Agents |) | |

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

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Lauren Wiley



LOC 0300

#6 / Disclosure Statement w/ Attachments 11-14-94 PATENT ASH

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 91,875-J)

In application of:

McBride and Dean

Serial No. 08/253,973

Filed: June 3, 1994

For: Monoamine, Diamide, Thiol-
Containing Metal Chelating Agents

Group Art Unit:

INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. Section 1.97 - 1.99, the Applicant wishes to make the following references of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. Section 1.56. Copies of the references cited below are enclosed. These references are also listed on the enclosed PTO Form 1449.

In the judgment of the undersigned, portions of the listed references may be material to the Examiner's consideration of the presently pending claims. This statement is not a representation that the listed references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. Section 102 or Section 103.

1. U.S. Patent documents

- * Byrne *et al.*, U.S. Patent No. 4,434,151, issued February 28, 1984
- * Fritzberg, U.S. Patent No. 4,444,690, issued April 24, 1984
- * Gansow *et al.*, U.S. Patent No. 4,472,509, issued September 18, 1984
- * Byrne *et al.*, U.S. Patent No. 4,571,430, issued February 18, 1986
- * Byrne *et al.*, U.S. Patent No. 4,575,556, issued March 11, 1986
- Hnatowich, U.S. Patent No. 4,668,503, issued May 26, 1987

1. U.S. Patent documents

- Tolman, U.S. Patent No. 4,732,684, issued March 22, 1988
- Ege *et al.*, U.S. Patent No. 4,832,940, issued May 23, 1989
- * Nicolotti *et al.*, U.S. Patent No. 4,861,869, issued August 29, 1989
- Nosco *et al.*, U.S. Patent No. 4,925,650, issued May 15, 1990
- Stavrianopoulos, U.S. Patent No. 4,943,523, issued July 24, 1990
- Schochat *et al.*, U.S. Patent No. 5,061,641, issued October 29, 1991
- Fritzberg *et al.*, U.S. Patent No. 4,965,392, issued October 23, 1990
- Morgan *et al.*, U.S. Patent No. 4,986,979, issued January 22, 1991
- Fritzberg *et al.*, U.S. Patent No. 5,091,514, issued February 25, 1992
- Lever *et al.*, U.S. Patent 5,095,111, issued March 10, 1992
- Gustavson *et al.*, U.S. Patent No. 5,112,953, issued May 12, 1992
- Kasina *et al.*, U.S. Patent No. 5,175,257, issued December 29, 1992
- Dean *et al.*, U.S. Patent No. 5,180,816, issued January 19, 1993
- Lever *et al.*, U.S. Patent No. 5,196,515, issued March 23, 1993
- Flanagan *et al.*, U.S. Patent No. 5,248,764, issued September 28, 1993

2. Foreign patent documents

- * Davison *et al.*, European Patent Application No. 84109831.2, published 27 March 1985
- Sundrehagen, International Patent Application, Publication No. WO85/03231, published 1 August 1985
- Burns *et al.*, 1985, European Patent Application No. 85104959.3, published 04 December 1985.
- * Fritzberg, European Patent Application No. 86100360.6, published 23 July 1986
- Kung *et al.*, 1986, European Patent Application No. 86105920.2, published 05 November 1986.
- Reno and Bottino, European Patent Application No. 87300426.1, published 16 September 1987
- * Bremer *et al.*, EPC Application No. 87118142.6, published 22 June 1988.
- Bergstein *et al.*, European Patent Application No. 88102252.9, published 24 August 1988.
- * Pak *et al.*, International Patent Application Publication No. WO 88/07382, published 6 October 1988.

2. Foreign patent documents

- * Fritzberg *et al.*, European Patent Application 88104755.9, published 28 September 1988
- Ranby *et al.*, International Patent Application No. PCT/US88/02276, published 12 January 1989
- * Goedemans *et al.*, International Patent Application Publication No. WO 89/07456, published 24 August 1989
- * Schochat *et al.*, International Patent Application Publication No. WO 89/09405, published 5 October 1989
- Lees *et al.*, International Patent Application No. PCT/US89/01854, published 16 November 1989
- * Dean *et al.*, International Patent Application Publication No. WO 89/12625, published 28 December 1989
- * Albert *et al.*, UK Patent Application No. 8927255.3, published 6 June 1990
- Schoemaker *et al.*, International Patent Application, Publication No. WO90/06323, published 14 June 1990
- Morgan *et al.*, International Patent Application, Publication No. WO90/10463, published 20 September 1990
- * Flanagan *et al.*, European Patent Application No. 90306428.5, published 19 December 1990
- * Stuttle, International Patent Application Publication No. WO 90/15818, published 27 December 1990
- * Thornback *et al.*, European Patent Application No. 90402206.8, published 6 February 1991
- * Albert *et al.*, European Patent Application No. WO 91/01144, published 7 February 1991
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- Kondo *et al.*, European Patent Application, Publication No. 483704 A1, published 06 May 1992
- Cox, International Patent Application No. PCT/US92/04559, published 10 December 1992
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Coughlin *et al.*, International Patent Application, Publication No. WO93/21151, published 29 October 1993

3. Other documents

* Rhodes, 1974, "Considerations in the Radiolabeling of Albumin", *Sem. Nucl. Med.* 4: 281-293

* Davidson *et al.*, 1981, "A New Class of Oxotechnetium(5+) Chelate Complexes containing a TcON_2S_2 Core", *Inorg. Chem.* 20: 1629-1632

* Fritzberg *et al.*, 1982, "Synthesis and Biological Evaluation of Tc-99m N,N'-Bis(mercaptoacetyl)-2,3-diaminopropanoate: A Potential Replacement for [^{131}I]o-iodohippurate", *J. Nucl. Med.* 23: 592-598

* Khaw *et al.*, 1982, "Technetium-99m Labeling of Antibodies to Cardiac Myosin Fab and to Human Fibrinogen", *J. Nucl. Med.* 23: 1011-1019

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* Bryson *et al.*, 1990, "Protecting Groups in the Preparation of Thiolate Complexes of Technetium", *Inorg. Chem.* 29: 2948-2951

3. Other documents

- * Kwekkeboom *et al.*, 1991, "[In-111-DTPA-D-Phe]¹-Octreotide Scintigraphy in Neuroendocrine Tumors", *J. Nucl. Med.* 32: 981, Abstract #305
- * Albert *et al.*, 1991, "A Somatostatin Analogue to Image SS-Receptor-Positive Tumors: [¹¹¹In-DTPA-DPhe]¹-Octreotide (SDZ 215-811)", Abstract LM10, 12th American Peptide Symposium
- * Cox *et al.*, 1991, "Technetium Labeled Somatostatin: A Potential Agent for In Vivo Tumor Localization", Abstract, 7th International Symposium on Radiopharmacology, p. 16
- Babich *et al.*, 1993, "Technetium-99m-Labeled Hydrazino Nicotinamide Derivatized Chemotactic Peptide Analogs for Imaging Focal Sites of Bacterial Infection", *J. Nucl. Med.* 34: 1964-1974

Pursuant to 37 C.F.R. §1.98(d), copies of the references marked with an asterisk are not provided herewith, since they were previously provided in the parent case, U.S. Patent Application Serial No. 07/807,062, filed November 27, 1991.

Respectfully submitted,
ALLEGRETTI & WITCOFF, LTD.

Date: August 12, 1994

By: 

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